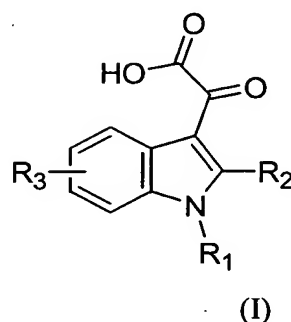


This listing of claims will replace all prior versions, and listings, of claims in the application.

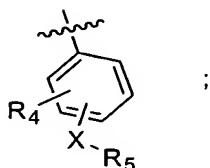
### Listing of Claims:

1. (Currently amended) A compound of formula I:



wherein:

R<sub>1</sub> is: a) the moiety:



or

b) ~~C<sub>1</sub>-C<sub>8</sub> alkyl, benzo[1,3]dioxo-5-yl methyl, cycloalkylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>3</sub>, heteroarylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>3</sub>, arylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>3</sub>, selected from benzyl, CH<sub>2</sub>-1 naphthyl, CH<sub>2</sub>-2 naphthyl, CH<sub>2</sub>CH<sub>2</sub>-phenyl, or CH<sub>2</sub>CH<sub>2</sub>-naphthyl, wherein the alkyl, cycloalkyl, heteroaryl, phenyl, benzyl, and naphthyl, groups may be optionally substituted by from 1 to 3 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, C<sub>1</sub>-C<sub>3</sub> perfluoroalkoxy, C<sub>1</sub>-C<sub>3</sub> alkylthio, C<sub>1</sub>-C<sub>3</sub> perfluoroalkylthio, -OCHF<sub>2</sub>, -CN, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -C(O)NH<sub>2</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;~~

R<sub>4</sub> is hydrogen, halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, C<sub>1</sub>-C<sub>3</sub> perfluoroalkoxy, C<sub>1</sub>-C<sub>3</sub> alkylthio, C<sub>1</sub>-C<sub>3</sub> perfluoroalkylthio, -OCHF<sub>2</sub>, -CN, -COOH, -CH<sub>2</sub>CO<sub>2</sub>H, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -C(O)NH<sub>2</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

X is O, ~~S~~, or NH;

R<sub>5</sub> is C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, heteroaryl, -CH<sub>2</sub>-heteroaryl, phenyl, or arylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>8</sub>, wherein the rings of the cycloalkyl, heteroaryl, phenyl, and aryl groups ~~may be~~ are optionally substituted by from 1 to 5 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, C<sub>1</sub>-C<sub>3</sub> perfluoroalkoxy, C<sub>1</sub>-C<sub>3</sub> alkylthio, C<sub>1</sub>-C<sub>3</sub> perfluoroalkylthio, -OCHF<sub>2</sub>, -CN, -COOH, -CH<sub>2</sub>CO<sub>2</sub>H, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -C(O)NH<sub>2</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

R<sub>2</sub> is hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, or C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, wherein the alkyl and cycloalkyl groups ~~may be~~ are optionally substituted by halogen, -CN, C<sub>1</sub>-C<sub>6</sub> alkoxy, -COOH, -CH<sub>2</sub>CO<sub>2</sub>H, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -C(O)NH<sub>2</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

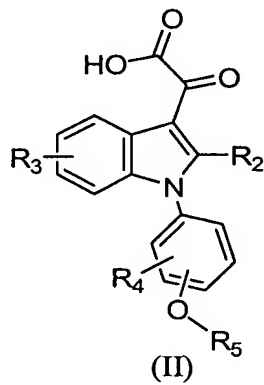
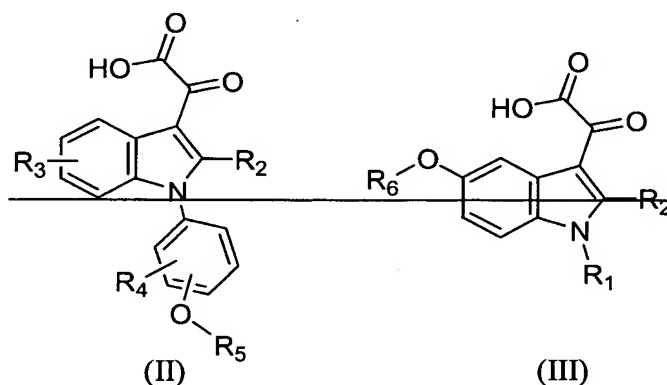
R<sub>3</sub> is: (a) hydrogen, halogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> alkenyl, C<sub>1</sub>-C<sub>8</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, heteroaryl, or phenyl, wherein the alkyl, alkenyl, alkynyl, cycloalkyl, heteroaryl, and phenyl groups ~~may be~~ are optionally substituted by from 1 to 3 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, C<sub>1</sub>-C<sub>3</sub> perfluoroalkoxy, C<sub>1</sub>-C<sub>3</sub> alkylthio, C<sub>1</sub>-C<sub>3</sub> perfluoroalkylthio, -OCHF<sub>2</sub>, -CN, -COOH, -CH<sub>2</sub>CO<sub>2</sub>H, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -C(O)NH<sub>2</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

or (b) the moiety X-R<sub>6</sub>;

R<sub>6</sub> is C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> alkenyl, C<sub>1</sub>-C<sub>8</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, heteroaryl, phenyl, aryl-alkyl where the alkyl chain is C<sub>1</sub>-C<sub>8</sub>, CH<sub>2</sub>CH<sub>2</sub>-phenyl, or CH<sub>2</sub>CH<sub>2</sub>-naphthyl, wherein the alkyl, alkenyl, alkynyl, cycloalkyl, heteroaryl, phenyl, and naphthyl groups ~~may be~~ are optionally substituted by from 1 to 3 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -O-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -S-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, -OCHF<sub>2</sub>, -CN, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>; and

R<sub>7</sub> is C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, or C<sub>1</sub>-C<sub>8</sub> aryl-alkyl;  
 or a pharmaceutically acceptable salt or ester form thereof.

2. (Currently amended) A compound of ~~formulas (II) or (III)~~ formula (II):



wherein:

R<sub>1</sub> is ~~C<sub>1</sub>-C<sub>8</sub> alkyl, benzo[1,3]dioxo-5-yl methyl, cycloalkylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>3</sub>, heteroarylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>3</sub>, arylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>3</sub>, selected from benzyl, CH<sub>2</sub>-1-naphthyl, CH<sub>2</sub>-2-naphthyl, CH<sub>2</sub>CH<sub>2</sub>-phenyl, or CH<sub>2</sub>CH<sub>2</sub>-naphthyl, wherein the alkyl, cycloalkyl, heteroaryl and aryl groups may be optionally substituted by from 1 to 3 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -O-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, S-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, , OCHF<sub>2</sub>, CN, COOH, -CH<sub>2</sub>CO<sub>2</sub>H, -C(O)CH<sub>3</sub>, CO<sub>2</sub>R<sub>7</sub>, C(O)NH<sub>2</sub>, S(O)<sub>2</sub>CH<sub>3</sub>, OH, NH<sub>2</sub>, or NO<sub>2</sub>;~~

R<sub>4</sub> is hydrogen, halogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -O-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -S-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, -OCHF<sub>2</sub>, -CN, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

R<sub>5</sub> is C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-heteroaryl, or aryl-alkyl where the alkyl chain is C<sub>1</sub>-C<sub>8</sub>, wherein the rings of the cycloalkyl, heteroaryl, and aryl groups ~~may be~~ are optionally substituted by from 1 to 5 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -O-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, ~~S-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl~~, S-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, -OCHF<sub>2</sub>, -CN, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

R<sub>2</sub> is hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, or C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, wherein the alkyl group ~~may be~~ is optionally substituted by halogen, -CN, C<sub>1</sub>-C<sub>6</sub> alkoxy, -COOH, -CH<sub>2</sub>CO<sub>2</sub>H, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -C(O)NH<sub>2</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

R<sub>3</sub> is hydrogen, halogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> alkenyl, C<sub>1</sub>-C<sub>8</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, heteroaryl, or phenyl, wherein the alkyl, alkenyl, alkynyl, cycloalkyl, heteroaryl, and phenyl groups ~~may be~~ are optionally substituted by from 1 to 3 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -O-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -S-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, -OCHF<sub>2</sub>, -CN, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

~~R<sub>6</sub> is C<sub>4</sub>-C<sub>8</sub> alkyl, C<sub>4</sub>-C<sub>8</sub> alkenyl, C<sub>4</sub>-C<sub>8</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, heteroaryl, phenyl, aryl-alkyl where the alkyl chain is C<sub>1</sub>-C<sub>8</sub>, -CH<sub>2</sub>CH<sub>2</sub>-phenyl, or -CH<sub>2</sub>CH<sub>2</sub>-naphthyl, wherein the alkyl, alkenyl, alkynyl, cycloalkyl, heteroaryl, phenyl, and naphthyl groups may be optionally substituted by from 1 to 3 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -O-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, preferably -OCF<sub>3</sub>, -S-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, -OCHF<sub>2</sub>, -CN, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>; and~~

R<sub>7</sub> is C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, or aryl-alkyl where the alkyl chain is C<sub>1</sub>-C<sub>8</sub>;

or a pharmaceutically acceptable salt or ester form thereof.

3. (Original) The compound of Claim 1 which is (1-{4-[(4-cyanobenzyl)oxy]phenyl}-1*H*-indol-3-yl)(oxo)acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

4. (Original) The compound of Claim 1 which is {1-[4-(3-methoxy-benzyloxy)-phenyl]1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

5. (Original) The compound of Claim 1 which is {1-[4-(3-chloro-benzyloxy)-phenyl]1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

6. (Original) The compound of Claim 1 which is {1-[4-(4-cyanobenzyloxy)-phenyl]-5-fluoro-1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

7. (Original) The compound of Claim 1 which is {1-[4-(3,5-dimethoxy-benzyloxy)-phenyl]-5-fluoro-1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

8. (Original) The compound of Claim 1 which is {1-[4-(3-chloro-benzyloxy)-phenyl]-5-methyl-1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

9. (Currently amended) The compound of Claim 1 which is {1-[4-(4-*tert*-butyl-benzyloxy)-phenyl]-5-methyl-1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

10. (Original) The compound of Claim 1 which is {1-[4-(2,4-dichlorobenzyloxy)-phenyl]-5-methyl-1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

11. (Original) The compound of Claim 1 which is {5-Chloro-1-[3-(4-cyano-benzyloxy)-phenyl]1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

12. (Original) The compound of Claim 1 which is {5-Chloro-1-[3-(3,5-dimethoxy benzyloxy)-phenyl]1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

13. (Original) The compound of Claim 1 which is {1-[4-(2,3,5,6-tetrafluoro-4-trifluoromethyl-benzyloxy)-phenyl]1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

14. (Currently amended) The compound of Claim 1 which is {1-[4-(4-[1,2,3]thiadiazol-4-yl-benzyloxy)-phenyl]-1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

15. (Original) The compound of Claim 1 which is {1-[4-(2,6-dichloro-pyridin-4-ylmethoxy)-phenyl]1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

16. (Currently amended) The compound of Claim 1 which is ~~5-[4-(5-Fluoro-3-carboxy(oxo) methyl-1*H*-indol-1-yl)phenoxy methyl]-furan-2-carboxylic acid ethyl ester- [1-(4-{[5-(ethoxycarbonyl)-2-furyl]methoxy}phenyl)-5-fluoro-1*H*-indol-3-yl](oxo)acetic acid,~~ or a pharmaceutically acceptable salt or ester form thereof.

17. (Original) The compound of Claim 1 which is {1-[4-(2,6-dichloropyridin-4-ylmethoxy)-phenyl]-5-methyl-1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

18. (Original) The compound of Claim 1 which is {5-Chloro-1-[3-(2,3,5,6-tetrafluoro-4-trifluoromethyl-benzyloxy)-phenyl]1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

19. (Currently amended) The compound of Claim 1 which is ~~5-[3-(5-Chloro-3-carboxy(oxo)methyl-1*H*-indol-1-yl)phenoxy methyl]furan-2-carboxylic acid ethyl ester~~ 5-chloro-1-(3-{[5-(ethoxycarbonyl)-2-furyl]methoxy}phenyl)-1*H*-indol-3-yl}(oxo)acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

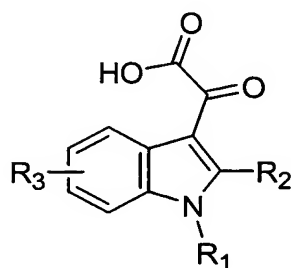
20. (Currently amended) The compound of Claim 1 which is {5-Chloro-1-[3-(4-[1,2,3]thiadiazol-4-yl-benzyloxy)-phenyl]1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

21. (Original) The compound of Claim 1 which is {5-Chloro-1-[3-(2,6-dichloro-pyridin-4-ylmethoxy)-phenyl]1*H*-indol-3-yl}-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

22. (Original) The compound of Claim 1 which is [1,5-bis-(4-trifluoromethoxy-phenyl)-1*H*-indol-3-yl]-oxo-acetic acid, or a pharmaceutically acceptable salt or ester form thereof.

23-32. (Canceled)

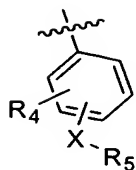
33. (Currently amended) A method of inhibiting plasminogen activator inhibitor in a mammal comprising administering to a mammal in need thereof a therapeutically effective amount of a compound of the formula



(I)

wherein:

R<sub>1</sub> is: a) the moiety:



or

b) ~~C<sub>1</sub>-C<sub>8</sub> alkyl, benzo[1,3]dioxo-5-yl methyl, cycloalkylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>3</sub>, heteroarylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>3</sub>, arylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>3</sub>, selected from benzyl, CH<sub>2</sub>-1-naphthyl, CH<sub>2</sub>-2-naphthyl, CH<sub>2</sub>CH<sub>2</sub>-phenyl, or CH<sub>2</sub>CH<sub>2</sub>-naphthyl, wherein the alkyl, cycloalkyl, heteroaryl, phenyl, benzyl, and naphthyl, groups may be optionally substituted by from 1 to 3 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, C<sub>1</sub>-C<sub>3</sub> perfluoroalkoxy, C<sub>1</sub>-C<sub>3</sub> alkylthio, C<sub>1</sub>-C<sub>3</sub> perfluoroalkylthio, -OCHF<sub>2</sub>, -CN, C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, C(O)NH<sub>2</sub>, S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;~~

R<sub>4</sub> is hydrogen, halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, C<sub>1</sub>-C<sub>3</sub> perfluoroalkoxy, C<sub>1</sub>-C<sub>3</sub> alkylthio, C<sub>1</sub>-C<sub>3</sub> perfluoroalkylthio, -OCHF<sub>2</sub>, -CN, -COOH, -CH<sub>2</sub>CO<sub>2</sub>H, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -C(O)NH<sub>2</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

X is O, S, or NH;

R<sub>5</sub> is C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, heteroaryl, -CH<sub>2</sub>-heteroaryl, phenyl, or arylalkyl where the alkyl chain is C<sub>1</sub>-C<sub>8</sub>, wherein the rings of the cycloalkyl, heteroaryl, phenyl, and aryl groups ~~may be~~ are optionally substituted by from 1 to 5 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, C<sub>1</sub>-C<sub>3</sub> perfluoroalkoxy, C<sub>1</sub>-C<sub>3</sub> alkylthio, C<sub>1</sub>-C<sub>3</sub> perfluoroalkylthio, -OCHF<sub>2</sub>, -CN, -COOH, -CH<sub>2</sub>CO<sub>2</sub>H, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -C(O)NH<sub>2</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

R<sub>2</sub> is hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, or C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, wherein the alkyl and cycloalkyl groups ~~may be~~ are optionally substituted by halogen, -CN, C<sub>1</sub>-C<sub>6</sub>



alkoxy, -COOH, -CH<sub>2</sub>CO<sub>2</sub>H, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -C(O)NH<sub>2</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

R<sub>3</sub> is: (a) hydrogen, halogen, C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> alkenyl, C<sub>1</sub>-C<sub>8</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, heteroaryl, or phenyl, wherein the alkyl, alkenyl, alkynyl, cycloalkyl, heteroaryl, and phenyl groups ~~may be~~ are optionally substituted by from 1 to 3 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, C<sub>1</sub>-C<sub>3</sub> perfluoroalkoxy, C<sub>1</sub>-C<sub>3</sub> alkylthio, C<sub>1</sub>-C<sub>3</sub> perfluoroalkylthio, -OCHF<sub>2</sub>, -CN, -COOH, -CH<sub>2</sub>CO<sub>2</sub>H, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -C(O)NH<sub>2</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>;

or (b) the moiety X-R<sub>6</sub>;

R<sub>6</sub> is C<sub>1</sub>-C<sub>8</sub> alkyl, C<sub>1</sub>-C<sub>8</sub> alkenyl, C<sub>1</sub>-C<sub>8</sub> alkynyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, heteroaryl, phenyl, aryl-alkyl where the alkyl chain is C<sub>1</sub>-C<sub>8</sub>, CH<sub>2</sub>CH<sub>2</sub>-phenyl, or CH<sub>2</sub>CH<sub>2</sub>-naphthyl, wherein the alkyl, alkenyl, alkynyl, cycloalkyl, heteroaryl, phenyl, and naphthyl groups ~~may be~~ are optionally substituted by from 1 to 3 groups selected from halogen, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -O-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, -S-C<sub>1</sub>-C<sub>3</sub> perfluoroalkyl, C<sub>1</sub>-C<sub>3</sub> alkoxy, -OCHF<sub>2</sub>, -CN, -C(O)CH<sub>3</sub>, -CO<sub>2</sub>R<sub>7</sub>, -S(O)<sub>2</sub>CH<sub>3</sub>, -OH, -NH<sub>2</sub>, or -NO<sub>2</sub>; and

R<sub>7</sub> is C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, -CH<sub>2</sub>-C<sub>3</sub>-C<sub>6</sub> cycloalkyl, or aryl-alkyl where the alkyl chain is C<sub>1</sub>-C<sub>8</sub>;

or a pharmaceutically acceptable salt or ester form thereof.

34. (Original) A pharmaceutical composition comprising a compound of claim 1 and a pharmaceutical carrier.

35. (Withdrawn) A method for the treatment of thrombosis or fibrinolytic impairment in a mammal, the method comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

36. (Withdrawn) A method of Claim 35 wherein the thrombosis or fibrinolytic impairment is associated with formation of atherosclerotic plaques, venous and arterial

thrombosis, myocardial ischemia, atrial fibrillation, deep vein thrombosis, coagulation syndromes, pulmonary fibrosis, cerebral thrombosis, thromboembolic complications of surgery or peripheral arterial occlusion.

37. (Withdrawn) A method for the treatment of peripheral arterial disease in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

38. (Withdrawn) A method for the treatment of stroke associated with or resulting from atrial fibrillation in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

39. (Withdrawn) A method for the treatment of deep vein thrombosis in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

40. (Withdrawn) A method for the treatment of myocardial ischemia in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

41. (Withdrawn) A method for the treatment of a cardiovascular disease caused by noninsulin dependent diabetes mellitus in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

42. (Withdrawn) A method for the treatment of the formation of atherosclerotic plaques in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

43. (Withdrawn) A method for the treatment of chronic obstructive pulmonary disease in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

44. (Withdrawn) A method for the treatment of renal fibrosis in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

45. (Withdrawn) A method for the treatment of polycystic ovary syndrome in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

46. (Withdrawn) A method for the treatment of Alzheimer's disease in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.

47. (Withdrawn) A method for the treatment of cancer in a mammal, comprising administering to a mammal in need thereof a pharmaceutically effective amount of a compound of Claim 1.